CLAIMS

1.   A method in a computer system for presenting data relating to selection of a compression train, the method comprising:

    receiving from a user a configuration data set that specifies operating conditions for a compression train;

    sending the configuration data set to the calculation engine;

    receiving from the calculation engine a proposed configuration for the compression train developed based on the sent configuration data set;

    sending to the user a display page indicating the proposed configuration; and

    receiving from the user a request for a quotation for the proposed configuration.

2.   The method of claim 1 wherein a computer of the user is connected to the computer system via the Internet.

3.   The method of claim 1 wherein the display page is a web page.

4.   The method of claim 1 including

    receiving from the user a layout design for the proposed configuration; and

    sending to the user a display page illustrating the received layout design.

5.   The method of claim 1 wherein the computer system allows the user to group configuration data sets into projects.

6.   The method of claim 1 wherein the configuration data set includes environmental conditions, driver specifications, and compression data.

7.   The method of claim 6 wherein the environmental conditions include design pressure and design temperature.

1   8.   The method of claim 6 wherein the driver specification includes driver

2 type, gas turbine data, and compressor speed.

1   9.   The method of claim 6 wherein the driver specification includes fuel gas

2 composition.

1   10.   The method of claim 6 wherein the compression data includes suction

2 pressure, discharge pressure, and suction temperature.

1   11.   The method of claim 6 wherein the compression data includes process

2 gas composition.

1   12.   The method of claim 1 wherein the operating conditions include

2 compressor options.

1   13.   The method of claim 12 wherein the compressor options include casing

2 type.

1   14.   The method of claim 12 wherein the compressor options include stage

2 compression ratios.

1   15.   The method of claim 1 wherein the operating conditions include

2 interstage data.

1   16.   The method of claim 1 wherein the interstage data includes interstage

2 pressure drops and interstage discharge pressures.

1   17.   The method of claim 1 wherein the proposed configuration includes

2 indications of driver target, gear box, or one or more compression casings.

1   18.   The method of claim 1 wherein the proposed configuration includes

2 indications of discharge pressure, discharge temperature, and number of stages.

1   19.   The method of claim 1 wherein the proposed configuration includes

2 indications of actual discharge flow, power margin, and absorbed power at driver shaft.

1   20.   A computer system for presenting data relating to selection of a

2 compression train, comprising:

3   a list projects component for managing a list of projects, each project having

4 one or more configuration data sets that each specify a configuration data set having

5 operating conditions for a compression train;

6   a new configuration component for specifying a configuration data set, for

7 receiving a proposed configuration automatically generated based on a specified

8 configuration data set, and for providing the proposed configuration to a user; and

9   a new request for configuration and quote component for specifying a

10 configuration data set and for sending the specified configuration data set for manual

11 determination of a proposed configuration.

1   21.   The method of claim 20 including a layout component for receiving

2 from a user a layout of a proposed configuration and for displaying a representation of the

3 layout to the user.